

**METHODS AND APPARATUS FOR REDUCING THE NUMBER OF SERVER
INTERACTIONS IN NETWORK-BASED APPLICATIONS USING A
DUAL-MVC APPROACH**

Abstract of the Disclosure

5 In accordance with a dual-MVC (Model-View-Controller) approach of the
invention, the client machine maintains part of the Model, eliminating many round-trips
to the server. The invention provides an implementation approach for constructing the
frame(s) contained in the client's browser software to allow it to be refreshed locally.
The invention addresses development and maintenance by specifying a library of
10 functions that a programmer can use to construct the View and Controller on the client
machine. When part of the Model is maintained on the client, the client has the ability to
respond to user interaction without paying the performance penalty of continually
interacting with the server.

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